CLAIMS

What is claimed is:

1. 1. A system, comprising:

2. a first portable thread environment (PTE), comprising a diagnostic tool;

3. a second PTE configured to receive and send threads;

4. a third PTE configured to receive and send the threads; and

5. a PTE router configured to receive the threads and route said threads, wherein the

6. router copies the threads and routes the copies to the diagnostic tool.

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1. 2. The system of claim 1, wherein the diagnostic tool uses the copies to generate

2. diagnostic messages.

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1. 3. The system of claim 2, wherein the diagnostic messages show the threads'

2. execution order.

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1. 4. The system of claim 2, wherein the diagnostic messages show all messages

2. generated by the threads.

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1. 5. The system of claim 2, wherein the diagnostic messages show all messages

2. generated for the threads.

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1. 6. The system of claim 2, wherein the diagnostic messages trigger new events to

2. be performed.

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1. 7. The system of claim 2, wherein the diagnostic tool identifies the threads

2. source.

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1   8.   The system of claim 2, wherein the diagnostic tool truncates threads

2   exceeding a predetermined size.

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1   9.   A method, comprising:

2   intercepting threads passed from a first PTE to a second PTE;

3   copying the threads;

4   generating a diagnostic message by a PTE Tool; and

5   displaying the diagnostic message, wherein the diagnostic message shows the

6   threads' execution order.

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1   10. The method as in claim 9, wherein the diagnostic message shows all

2   messages generated by the threads.

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1   11. The method as in claim 9, wherein the diagnostic message shows all

2   messages generated for the threads.

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1   12. The method as in claim 9, wherein the diagnostic message triggers new

2   events to be performed.

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1   13. The method as in claim 9, wherein the diagnostic tool identifies the threads'

2   sources.

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1   14. The method as in claim 9, wherein the diagnostic tool truncates the threads

2   exceeding a predetermined size.

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1   15. A system, comprising:

2   means for intercepting threads passed from a first PTE to a second PTE;

3   means for copying the threads;

4   means for generating a diagnostic message by a PTE Tool; and

5   means for displaying the diagnostic message, wherein the diagnostic message

6 shows the threads' execution order.

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1   16. The system of claim 15, wherein the diagnostic message shows all messages

2 generated by the threads.

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1   17. The system of claim 15, wherein the diagnostic message shows all messages

2 generated for the threads.

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1   18. The system of claim 15, wherein the diagnostic message triggers new events

2 to be performed.

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1   19. The system of claim 15, wherein the diagnostic tool identifies the threads'

2 sources.

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1   20. The system of claim 15, wherein the diagnostic tool truncates the threads

2 exceeding a predetermined size.

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1   21. A computer-readable medium having stored thereon a plurality of

2 instructions, said plurality of instructions when executed by a computer, cause said

3 computer to perform:

4   intercepting threads passed from a first PTE to a second PTE;

5   copying the threads;

6   generating a diagnostic message by a PTE Tool; and

7   displaying the diagnostic message, wherein the diagnostic message shows the

8   threads' execution order.

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1   22. The computer-readable medium of claim 21, wherein the diagnostic message

2   shows all messages generated by the threads.

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1   23. The computer-readable medium of claim 21, wherein the diagnostic message

2   shows all messages generated for the threads.

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1   24. The computer-readable medium of claim 21, wherein the diagnostic message

2   triggers new events to be performed.

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1   25. The computer-readable medium of claim 21, wherein the diagnostic tool

2   identifies the threads' sources.

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1   26. The computer-readable medium of claim 21, wherein the diagnostic tool

2   truncates the threads exceeding a predetermined size.